Pham 7094
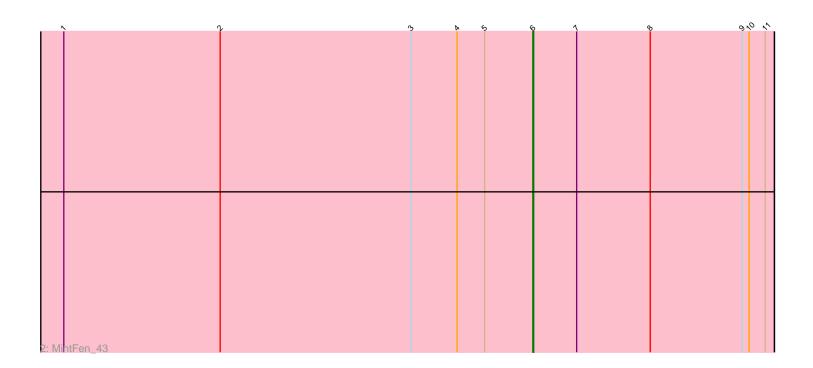

1: Barco_41 + 5

2: MintFen_43

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 7094 Report

This analysis was run 04/05/24 on database version 557.

Pham number 7094 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Barco_41, Archis_46, Melba_42, BlingBling_40, Delian_46, CaptainKirk2_43
• Track 2 : MintFen_43

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 7, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Archis_46, Barco_41, BlingBling_40, CaptainKirk2_43, Delian_46, Melba_42,

Genes that have the "Most Annotated" start but do not call it:
• MintFen_43,

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 6:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 14.3% of time when present
• Phage (with cluster) where this start called: MintFen_43 (CV),

Start 7:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Archis_46 (CV), Barco_41 (CV), BlingBling_40 (CV), CaptainKirk2_43 (CV), Delian_46 (CV), Melba_42 (CV),

Summary by clusters:

There is one cluster represented in this pham: CV

Info for manual annotations of cluster CV:
•Start number 6 was manually annotated 1 time for cluster CV.
•Start number 7 was manually annotated 6 times for cluster CV.

Gene Information:
Gene: Archis_46 Start: 33361, Stop: 33104, Start Num: 7
Candidate Starts for Archis_46:
(1, 34030), (2, 33826), (3, 33577), (4, 33517), (5, 33481), (Start: 6 @33418 has 1 MA's), (Start: 7
@33361 has 6 MA's), (8, 33265), (9, 33145), (10, 33136), (11, 33115),

Gene: Barco_41 Start: 32411, Stop: 32154, Start Num: 7
Candidate Starts for Barco_41:
(1, 33080), (2, 32876), (3, 32627), (4, 32567), (5, 32531), (Start: 6 @32468 has 1 MA's), (Start: 7
@32411 has 6 MA's), (8, 32315), (9, 32195), (10, 32186), (11, 32165),

Gene: BlingBling_40 Start: 33374, Stop: 33117, Start Num: 7
Candidate Starts for BlingBling_40:
(1, 34043), (2, 33839), (3, 33590), (4, 33530), (5, 33494), (Start: 6 @33431 has 1 MA's), (Start: 7
@33374 has 6 MA's), (8, 33278), (9, 33158), (10, 33149), (11, 33128),

Gene: CaptainKirk2_43 Start: 32659, Stop: 32402, Start Num: 7
Candidate Starts for CaptainKirk2_43:
(1, 33328), (2, 33124), (3, 32875), (4, 32815), (5, 32779), (Start: 6 @32716 has 1 MA's), (Start: 7
@32659 has 6 MA's), (8, 32563), (9, 32443), (10, 32434), (11, 32413),

Gene: Delian_46 Start: 32657, Stop: 32400, Start Num: 7
Candidate Starts for Delian_46:
(1, 33326), (2, 33122), (3, 32873), (4, 32813), (5, 32777), (Start: 6 @32714 has 1 MA's), (Start: 7
@32657 has 6 MA's), (8, 32561), (9, 32441), (10, 32432), (11, 32411),

Gene: Melba_42 Start: 33199, Stop: 32942, Start Num: 7
Candidate Starts for Melba_42:
(1, 33868), (2, 33664), (3, 33415), (4, 33355), (5, 33319), (Start: 6 @33256 has 1 MA's), (Start: 7
@33199 has 6 MA's), (8, 33103), (9, 32983), (10, 32974), (11, 32953),

Gene: MintFen_43 Start: 33330, Stop: 33016, Start Num: 6
Candidate Starts for MintFen_43:
(1, 33942), (2, 33738), (3, 33489), (4, 33429), (5, 33393), (Start: 6 @33330 has 1 MA's), (Start: 7
@33273 has 6 MA's), (8, 33177), (9, 33057), (10, 33048), (11, 33027),